

## **RAW SEQUENCE LISTING**

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Application Serial Number: 10/537,280  
Source: PCT - EFS  
Date Processed by STIC: 1-9-06

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PCT

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DATE: 01/09/2006

PATENT APPLICATION: US/10/537,280

TIME: 08:29:26

Input Set : N:\efs\10537280\_efs\URQUP16\_seq.txt

Output Set: N:\CRF4\01092006\J537280.raw

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3 <110> APPLICANT: Sanders, Jane
4     Furmaniak, Jadwiga
5     Smith, Bernard Rees
7 <120> TITLE OF INVENTION: Binding Partners for the Thyrotropin Receptor and uses
thereof
9 <130> FILE REFERENCE: URQU.P-016
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/537,280
C--> 13 <141> CURRENT FILING DATE: 2005-05-27
15 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/005171
16 <151> PRIOR FILING DATE: 2003-11-28
19 <150> PRIOR APPLICATION NUMBER: GB 0227964.4
20 <151> PRIOR FILING DATE: 2002-11-29
22 <150> PRIOR APPLICATION NUMBER: GB 0302140.9
23 <151> PRIOR FILING DATE: 2003-01-29
25 <150> PRIOR APPLICATION NUMBER: GB 0315147.9
26 <151> PRIOR FILING DATE: 2003-06-27
28 <160> NUMBER OF SEQ ID NOS: 38
30 <170> SOFTWARE: PatentIn version 3.1
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33 <211> LENGTH: 121
34 <212> TYPE: PRT
35 <213> ORGANISM: Homo sapiens
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40 1          5          10          15
43 Ser Leu Lys Ile Ser Cys Arg Gly Ser Gly Tyr Arg Phe Thr Ser Tyr
44          20          25          30
47 Trp Ile Asn Trp Val Arg Gln Leu Pro Gly Lys Gly Leu Glu Trp Met
48          35          40          45
51 Gly Arg Ile Asp Pro Thr Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
52          50          55          60
55 Lys Gly His Val Thr Val Ser Ala Asp Lys Ser Ile Asn Thr Ala Tyr
56 65          70          75          80
59 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Gly Met Tyr Tyr Cys
60          85          90          95
63 Ala Arg Leu Glu Pro Gly Tyr Ser Ser Thr Trp Ser Val Asn Trp Gly
64          100         105         110
67 Gln Gly Thr Leu Val Thr Val Ser Ser
68          115         120
71 <210> SEQ ID NO: 2
72 <211> LENGTH: 5
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 2

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78 Ser Tyr Trp Ile Asn
79 1 5
82 <210> SEQ ID NO: 3
83 <211> LENGTH: 17
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 3
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90 1 5 10 15
93 Gly
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 12
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 4
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105 1 5 10
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 131
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 5
115 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
116 1 5 10 15
119 Ser Leu Lys Ile Ser Cys Arg Gly Ser Gly Tyr Arg Phe Thr Ser Tyr
120 20 25 30
123 Trp Ile Asn Trp Val Arg Gln Leu Pro Gly Lys Gly Leu Glu Trp Met
124 35 40 45
127 Gly Arg Ile Asp Pro Thr Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
128 50 55 60
131 Lys Gly His Val Thr Val Ser Ala Asp Lys Ser Ile Asn Thr Ala Tyr
132 65 70 75 80
135 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Gly Met Tyr Tyr Cys
136 85 90 95
139 Ala Arg Leu Glu Pro Gly Tyr Ser Ser Thr Trp Ser Val Asn Trp Gly
140 100 105 110
143 Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
144 115 120 125
147 Val Phe Pro
148 130
151 <210> SEQ ID NO: 6
152 <211> LENGTH: 111
153 <212> TYPE: PRT
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 6
158 Leu Thr Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Arg Gln
159 1 5 10 15
162 Arg Val Thr Ile Ser Cys Ser Gly Asn Ser Ser Asn Ile Gly Asn Asn
163 20 25 30

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166 Ala Val Asn Trp Tyr Gln Gln Leu Pro Gly Lys Ala Pro Lys Leu Leu
167          35          40          45
170 Ile Tyr Tyr Asp Asp Gln Leu Pro Ser Gly Val Ser Asp Arg Phe Ser
171          50          55          60
174 Gly Ser Arg Ser Gly Thr Ser Ala Ser Leu Ala Ile Arg Gly Leu Gln
175 65          70          75          80
178 Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Thr Ser Trp Asp Asp Ser Leu
179          85          90          95
182 Asp Ser Gln Leu Phe Gly Gly Gly Thr Arg Leu Thr Val Leu Gly
183          100          105          110
186 <210> SEQ ID NO: 7
187 <211> LENGTH: 13
188 <212> TYPE: PRT
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 7
193 Ser Gly Asn Ser Ser Asn Ile Gly Asn Asn Ala Val Asn
194 1          5          10
197 <210> SEQ ID NO: 8
198 <211> LENGTH: 7
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 8
204 Tyr Asp Asp Gln Leu Pro Ser
205 1          5
208 <210> SEQ ID NO: 9
209 <211> LENGTH: 11
210 <212> TYPE: PRT
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 9
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216 1          5          10
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220 <211> LENGTH: 363
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 10
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227 tcctgtaggg gttctggata caggtttacc agctactgga tcaactgggt gcgccagctg      120
229 cccgggaaaag gcctagagtg gatgggcagg attgataccta ctgactctta taccaactac      180
231 agtccatcct tcaaaggcca cgtcaccgtc tcagctgaca agtccatcaa cactgcctac      240
233 ctgcagtgga gcagcctgaa ggcctcggac accggcatgt attactgtgc gaggctcgaa      300
235 ccgggctata gcagcacctg gtccgtaaat tgggggccagg gaaccttggt caccgtctcc      360
237 tca      363
240 <210> SEQ ID NO: 11
241 <211> LENGTH: 15
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 11
246 agctactgga tcaac

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Input Set : N:\efs\10537280\_efs\URQUP16\_seq.txt

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249 <210> SEQ ID NO: 12
250 <211> LENGTH: 51
251 <212> TYPE: DNA
252 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 12
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258 <210> SEQ ID NO: 13
259 <211> LENGTH: 36
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo sapiens
263 <400> SEQUENCE: 13
264 ctcgaaccgg gctatagcag cacctgggtcc gtaaat          36
267 <210> SEQ ID NO: 14
268 <211> LENGTH: 394
269 <212> TYPE: DNA
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 14
273 caaatgcagc tgggtgcagtc tggagcagag gtgaaaaagc ccgggggagtc tctgaagatc          60
275 tcctgtaggg gttctggata caggtttacc agctactgga tcaactgggt gcgccagctg          120
277 cccgggaaag gcttagagtg gatgggcagg attgatccta ctgactctta taccaactac          180
279 agtccatcct tcaaaaggcca cgtcaccgtc tcagctgaca agtccatcaa cactgcctac          240
281 ctgcagtgga gcagcctgaa ggccctcgga accggcatgt attactgtgc gaggctcgaa          300
283 ccgggctata gcagcacctg gtccgtaaat tggggccagg gaaccctggg caccgtctcc          360
285 tcagcctcca ccaagggcc atcgggtcttc cccc          394
288 <210> SEQ ID NO: 15
289 <211> LENGTH: 333
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapiens
293 <400> SEQUENCE: 15
294 ctgcctgtgc tgactcagcc accctcggtg tctggagccc ccaggcagag ggtcaccatc          60
296 tcctgttctg gaaacagctc caacatcgga aataatgctg taaactggta ccagcagctc          120
298 ccaggaaaag ctcccaaact cctcatatat tatgatgatc aactgccctc aggggtctct          180
300 gaccgattct ctggctccag gtctggcacc tccgcctccc tggccatccg tgggctccag          240
302 tctgaggatg aggctgatta ttactgtaca tcatgggatg acagcctgga tagtcaactg          300
304 ttcggcggag ggaccaggct gaccgtccta ggt          333
307 <210> SEQ ID NO: 16
308 <211> LENGTH: 39
309 <212> TYPE: DNA
310 <213> ORGANISM: Homo sapiens
312 <400> SEQUENCE: 16
313 tctggaaaca gctccaacat cggaaataat gctgtaaac          39
316 <210> SEQ ID NO: 17
317 <211> LENGTH: 21
318 <212> TYPE: DNA
319 <213> ORGANISM: Homo sapiens
321 <400> SEQUENCE: 17
322 tatgatgatc aactgccctc a          21
325 <210> SEQ ID NO: 18
326 <211> LENGTH: 33

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Input Set : N:\efs\10537280\_efs\URQUP16\_seq.txt

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327 <212> TYPE: DNA
328 <213> ORGANISM: Homo sapiens
330 <400> SEQUENCE: 18
331 acatcatggg atgacagcct ggatagtcaa ctg
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335 <211> LENGTH: 119
336 <212> TYPE: PRT
337 <213> ORGANISM: Mus sp.
339 <400> SEQUENCE: 19
341 Asp Val Gln Ile Gln Gln Pro Gly Thr Glu Leu Val Lys Pro Gly Ala
342 1 5 10 15
345 Ser Val Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Tyr
346 20 25 30
349 Trp Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
350 35 40 45
353 Gly Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe
354 50 55 60
357 Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
358 65 70 75 80
361 Met His Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
362 85 90 95
365 Ser Arg Asn Tyr Gly Ser Gly Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly
366 100 105 110
369 Thr Thr Leu Thr Val Ser Ser
370 115
373 <210> SEQ ID NO: 20
374 <211> LENGTH: 5
375 <212> TYPE: PRT
376 <213> ORGANISM: Mus sp.
378 <400> SEQUENCE: 20
380 Thr Tyr Trp Met His
381 1 5
384 <210> SEQ ID NO: 21
385 <211> LENGTH: 17
386 <212> TYPE: PRT
387 <213> ORGANISM: Mus sp.
389 <400> SEQUENCE: 21
391 Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe Lys
392 1 5 10 15
395 Gly
399 <210> SEQ ID NO: 22
400 <211> LENGTH: 10
401 <212> TYPE: PRT
402 <213> ORGANISM: Mus sp.
404 <400> SEQUENCE: 22
406 Asn Tyr Gly Ser Gly Tyr Tyr Phe Asp Tyr
407 1 5 10
410 <210> SEQ ID NO: 23
411 <211> LENGTH: 124

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VERIFICATION SUMMARY

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Input Set : N:\efs\10537280\_efs\URQUP16\_seq.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date